

DEGREES AND PROGRAMS

Degrees

Majors

Minors

Pre-Professional Curricula

Continuing Education

Texas Certified Public Manager Program

International Office

English as a Second Language Program

Extended and Distance Education

Correspondence Studies

Extension Studies

Study Abroad

International Student Exchange Program

DEGREES AND PROGRAMS

Southwest Texas State University offers a full range of specialized programs in business administration, education, the liberal arts, the fine arts, sciences, applied arts, and health professions. This section of the catalog gives basic information about the undergraduate degrees, majors, minors, and alternative curricula available at SWT. All these specialized programs rest on the broad foundation of general education core curriculum required of all students. For information about SWT's general education core curriculum, see the University College section of this catalog.

All bachelor's degrees require a minimum of 128 semester hours, including 40 advanced hours. Many degrees can be planned to include teacher certification. To learn more about a particular degree or major, including required hours, consult the individual sections of this catalog.

Undergraduate Degrees Offered at SWT

Bachelor of Applied Arts and Sciences (BAAS)
 Bachelor of Arts (BA)
 Bachelor of Arts in International Studies (BAIS)
 Bachelor of Business Administration (BBA)
 Bachelor of Exercise and Sports Science (BESS)
 Bachelor of Fine Arts (BFA)
 Bachelor of Health and Wellness Promotion (BHWP)
 Bachelor of Healthcare Administration (BHA)
 Bachelor of Music (BM)
 Bachelor of Public Administration (BPA)
 Bachelor of Science (BS)
 Bachelor of Science in Agriculture (BSAG)
 Bachelor of Science in Applied Sociology (BSAS)
 Bachelor of Science in Clinical Laboratory Science (BSCLS)
 Bachelor of Science in Communication Disorders (BSCD)
 Bachelor of Science in Criminal Justice (BSCJ)
 Bachelor of Science in Health Information Management (BSHIM)
 Bachelor of Science in Family and Consumer Sciences (BSFCS)
 Bachelor of Science in Radiation Therapy (BSRT)
 Bachelor of Science in Recreational Administration (BSRA)
 Bachelor of Science in Respiratory Care (BSRC)
 Bachelor of Science in Technology (BSTCH)
 Bachelor of Social Work (BSW)

Bachelor of Arts

Majors may be selected from the following: anthropology, art, biology, chemistry, communication studies, computer science, economics, English, French, geography, German, history, mass communication, mathematics, music, philosophy, physics, political science, psychology, sociology, Spanish, and theatre.

Minors. Students seeking the Bachelor of Arts degree must elect a minor from the preceding list or from one of the following: aerospace studies, agriculture, biochemistry, business administration, consumer science, criminal justice, dance, early childhood intervention, exercise and sports science, family and child development, family and consumer sciences, fashion merchandising, geology, healthcare administration, health information management, health and wellness promotion, international studies, long term care administration, media studies, medieval and renaissance studies, military science, music, nature and heritage tourism, photography, political communication, religious studies, social gerontology, social work, sociology, southwestern studies, special education, technology, U.S. ethnic studies, value studies, women's studies and writing.

Regardless of major or minor, candidates for the BA must meet the following requirements:

Science Requirement. Known as the BA Science Requirement which includes one course (3-4 hours) from the departments of anthropology (physical anthropology only), biology, chemistry, computer science, mathematics, philosophy (logic only), and physics.

Modern Language Requirement. A proficiency level of successful completion of French, German, Japanese, or Spanish 2310 and 2320. See Department of Modern Languages for course listings.

English Requirement. Two semesters of literature selected from ENG 2310, 2320, 2330, 2340, 2359, or 2360. See Department of English for course listings.

Bachelor of Science

Majors must be selected from the following: applied mathematics, biochemistry, biology, chemistry, computer science, dance, digital and photographic imaging, geography, manufacturing engineering, mathematics, physics, and psychology. A minor is required and may be selected from any of SWT approved minors.

A major in interdisciplinary studies is available for those students who want a program for elementary teacher certification. See the Department of Curriculum and Instruction for more information.

Undergraduate Majors Offered at SWT

Major	Degree	Minimum Hours Required	Teaching Certification
Accounting	BBA	128	
Agriculture-Animal Science	BSAG	129	
Agriculture-Business & Management	BSAG	128	
Agriculture	BSAG	132	Optional
Anthropology	BA	128	
Applied Arts & Sciences	BAAS	128	Optional
Applied Mathematics	BS	129	
Applied Sociology	BSAS	128	
Art	BA	128	Optional
Athletic Training	BESS	129	Optional
Biochemistry	BS	128	
Biology	BA	128	Optional w/ add'l hours
Biology	BS	128	Optional w/ add'l hours
Biology-Aquatic Biology	BA	128	Optional w/ add'l hours
Biology-Aquatic Biology	BS	128	Optional w/ add'l hours
Biology-Botany	BA	128	Optional w/ add'l hours
Biology-Botany	BS	128	Optional w/ add'l hours

Biology-General Physiology	BA	128	Optional w/ add'l hours
Biology-General Physiology	BS	128	Optional w/ add'l hours
Biology-Marine Biology	BA	128	Optional w/ add'l hours
Biology-Marine Biology	BS	128	Optional w/ add'l hours
Biology-Microbiology	BA	128	Optional w/ add'l hours
Biology-Microbiology	BS	128	Optional w/ add'l hours
Biology-Wildlife Biology	BA	128	Optional w/ add'l hours
Biology-Wildlife Biology	BS	128	Optional w/ add'l hours
Biology-Zoology	BA	128	Optional w/ add'l hours
Biology-Zoology	BS	128	Optional w/ add'l hours
Chemistry	BA	128	Optional w/ add'l hours
Chemistry	BS	128	Optional w/ add'l hours
Clinical Laboratory Science	BSCLS	137	
Communication Design	BFA	130	
Communication Disorders	BSCD	132	
Communication Studies	BA	131	Optional
Computer Information Systems	BBA	128	
Computer Science	BA	128	Optional w/ add'l hours
Computer Science	BS	128	Optional w/ add'l hours
Criminal Justice	BSCJ	128	
Criminal Justice-Corrections	BSCJ	128	
Criminal Justice-Law Enforcement	BSCJ	128	
Dance	BS	129	Optional
Digital and Photographic Imaging	BS	128	
Economics	BA	128	
Economics	BBA	128	
Engineering Technology	BSTCH	139	
English	BA	128	Optional w/ add'l hours
Exercise & Sports Science	BESS	128	Optional
Family & Consumer Sciences	BSFCS	128	Optional
Family & Consumer Sciences- Family & Child Development	BSFCS	128	
Family & Consumer Sciences- Fashion Merchandising	BSFCS	128	
Family & Consumer Sciences- Interior Design	BSFCS	129	
Family & Consumer Sciences- Nutrition & Foods	BSFCS	128	
Finance	BBA	128	
French	BA	128	Optional w/ add'l hours
Geography	BA	129	
Geography	BS	129	Optional w/ add'l hours
Geography-Cartography/ Geographic Information Systems	BA	129	
Geography-Cartography/ Geographic Information Systems	BS	129	
Geography-Physical Geography	BS	129	
Geography-Resources & Environmental Studies	BA	129	
Geography-Resources & Environmental Studies	BS	129	
Geography-Urban & Regional Planning	BA	129	

Geography-Urban & Regional Planning	BS	129	
German	BA	128	Optional w/ add'l hours
Healthcare Administration	BHA	128	
Health & Fitness Management	BESS	134	
Health & Wellness Promotion	BHWP	137	Optional
Health Information Management	BSHIM	130	
History	BA	128	Optional w/ add'l hours
Industrial Technology	BSTCH	130	Optional
Industrial Technology- Construction Technology	BSTCH	133	
Industrial Technology- Manufacturing Technology	BSTCH	130	
Information Systems Management	BSTCH	129	
Interdisciplinary Studies	BS	130	Yes
International Studies	BAIS	128	
International Studies-Asian Studies	BAIS	128	
International Studies- European Studies	BAIS	128	
International Studies- Interamerican Studies	BAIS	128	
International Studies- International Relations	BAIS	128	
International Studies- Middle East/African Studies	BAIS	128	
International Studies- Russian/East European Studies	BAIS	128	
Long Term Care Administration Management	BS BBA	130 128	Optional
Manufacturing Engineering	BS	136	
Marketing	BBA	128	
Mass Communication-Advertising	BA	128	
Mass Communication-Electronic Media	BA	128	
Mass Communication	BA	128	Optional
Mass Communication- Print Journalism	BA	128	
Mass Communication- Public Relations	BA	128	
Mathematics	BA	128	Optional
Mathematics	BS	128	Optional
Music	BA	128	
Music	BM	138	Yes
Music-Jazz Studies	BM	132	
Music-Performance	BM	128	
Music-Sound Recording Technology	BM	136	
Musical Theatre	BFA	131	
Philosophy	BA	128	
Physics	BA	128	Optional w/ add'l hours
Physics	BS	128	Optional
Political Science	BA	128	Optional w/ add'l hours
Psychology	BA	128	
Psychology	BS	128	
Public Administration	BPA	128	

Radiation Therapy	BSRT	136	
Recreational Administration	BSRA	130	
Respiratory Care	BSRC	137	
Social Work	BSW	135	
Sociology	BA	128	
Spanish	BA	128	Optional w/ add'l hours
Studio Art	BFA	128	Optional
Theatre	BA	128	
Theatre	BFA	128	Optional

Undergraduate Minors offered at SWT

Aerospace Studies.....	19 hours; AS 1110, 1120, 2110, 2120, 3311, 3312, 4311, 4312 and 3 hours of Mathematics.
Agriculture.....	19 hours; AG 1445, 2313, 2373, and 9 advanced hours of Agriculture.
Animal Science.....	19 hours; AG 1445, 3325, 3331, and 3 courses from AG 2345, 2367, 3301, 3314, 3321, 4326, 4330.
Anthropology.....	20 hours; ANTH 1312, 2414, 2415, and at least 9 hours advanced.
Art and Design.....	24 hours; ARTF 1301, 1302, 1303, and 15 additional Art hours, 12 of which must be advanced, chosen in consultation with the Chair, Department of Art and Design.
Biochemistry.....	24 hours; CHEM 1141, 1142, 1341 1342; CHEM 2141, 2142, 2341, 2342; CHEM 3275, 3375; 4380 or 4385.
Biology.....	23 hours; BIO 1430, 1431, 2450, and at least 3 advanced courses not to include BIO 4305, 4402, 4403, or 4408. Two semesters of Chemistry, both lecture and lab, are also required.
Business Admin.....	21 hours; including ACC 2361; ECO 2314; at least 4 courses from: BLAW 2361, CIS 3370, FIN 3312, MGT 3303, MGT 3353, MGT 4375, MKT 3343, and one sophomore or advanced business course to be selected by the student.
Chemistry	23 hours; CHEM 1141 and 1341; 1142 and 1342; 2141 and 2341; 2142 and 2342; 3410, plus 1 advanced Chemistry course.
Coaching Athletics	24 hours; PE 1310, 2356, 3317, 3320, 3329,4337; and 2 courses from PE 3340, 4391, 4392, 4393.
Communication Studies.....	24 hours; COMM 1310, 1315, 2330, 2338, 3327 and 3333, and 6 hours of COMM electives, 3 of which must be advanced. COMM 2111 and COMM 4111 will not be counted toward the minor.
Computer Science.....	28 hours; CS 1318, 2308, 2318, 3358, 3409, plus 6 hours advanced computer science; MATH 2358 and 3398.
Consumer Science	18 hours; FCS 1341, 2341, 2342 or 4301, 3341, 3342, 4341.
Criminal Justice	18 hours; CJ 1310, 6 hours from the criminal justice core (CJ 2310, 2350, 2355, 2360) and 9 advanced criminal justice hours.
Dance.....	27 hours; DAN 2208, 2209, 3330, 3332, 3365, 4366, 4367, 4368, 4369 and PE 1181B and 1181C. PE 1181A and 1182A must be taken as general education core curriculum. Students must enroll in a dance activity every semester.
Early Childhood Intervention	21 hours; FCS 2357, 3356 and 4301; 12 hours to be selected from CDIS 1331; FCS 2351, 2353, 2367, 3351, 3367, 4351, 4352, 4355; HIM 2360; PSY 2315, 3315; SOCI 3327, 3337; SOWK 1350, 2375, 4315; SPED 3381, 4344 and 4381.
Economics	18 hours; ECO 2314, 2315, and at least 12 hours advanced.

English.....	24 hours; ENG 1310, 1320; any 2 of the following: ENG 2310, 2320, 2330, 2340, 2359, 2360; and 12 hours advanced. (See additional information at beginning of Department of English section of catalog.)
Exercise and Sports Science	24 hours; 1310, 2356, 3317, 3320, 4323 or 3329, 4351, 3 hours physical education elective theory; 3 physical education major/minor courses (PE 1170-1192). General education core curriculum to include 2 courses from the Physical Fitness and Wellness component.
Family and Child Development.....	21 hours; FCS 1351, 2353, 3355, and 12 additional family and child development hours, at least 9 of which must be advanced. Students may select from: FCS 2351, 2357, 3351, 3353, 3354, 3356, 4101, 4301, 4302, 4303, 4351, 4352, 4354, 4355, 4391.
Family and Consumer Sciences.....	18 hours; FCS 1341 or 3341, 3355, 2331 or 1332 or 3331, 2460 or 3362, 2329 or 3329, plus 3 hours electives, 9 hours must be advanced.
Fashion Merchandising	18 hours; FCS 1337 and 15 hours from FCS 1332, 2330, 2331, 2334, 3330, 3331, 3332, 4302C, 4331, 4337, 4339.
Geography	19 hours; GEO 1309, 1310, and 2410, at least 9 hours must be advanced.
Geology	19 hours; GEOL 1410, 1420, 2410, and 7 hours from 3321, 3410, 4121, 4320, and 4330.
Health and Wellness Promotion.....	24 hours; H ED1310, 2338, 2340, 3301, 3348, 3350, 4340, 4350.
Health Information Management	21 hours; HIM 3306, 3311, 3363, 3380, 4310, 4363, and 4385.
Healthcare Administration	18 hours; core courses HA 3308, 3324, and 3327; and 9 hours from HA 2310, 3329, 3341, 3375, 4302, and 4315.
History	24 hours; HIST 1310, 1320, 2310 or 2311, and 2312 or 2320, and 12 hours advanced divided equally between Group A and Group B courses.
Horticulture	18 hours; AG 2379, 3304, 3305, and 3 courses from 3306, 3455, 4300, 4302.
International Studies.....	33 hours; ANTH 1312, ECO 2314 and 2315, GEO 1310, HIST 2310 or 2311 and 2312 or 2320, POSI 2323, CIS 1323 or HIST 3370, one of POSI 4326, 4327, 4356, 4357, 4359 or ECO 3317, plus six hours advanced (no more than three in one discipline) from the approved list in the International Studies section in College of Liberal Arts.
Leadership Studies.....	21 hours; COMM 1315, COMM 4347, PHIL 3322, 6 hours from COMM 2325, COMM 2330, COMM 2338, COMM 3325, MGT 3353; 6 hours from COMM 3319, COMM 4331, PSY 3331, PSY 3333, HA 3324, HA 2310, MGT 3303, A S 3311, A S 3312, any internship or practicum experience.
Long Term Care Administration.....	18 hours; LTCA 3325, 3322, 3323, 3324, 4320 and 4335. Students desiring licensure must also complete three semesters of LTCA 4681 and have a baccalaureate degree.

Mass Communication	18 hours; MC 3343, 3355, 3367, 4302 plus six hours selected from 1301, 3375, 4316A, 4356C, 4376A, 4382A, 4382B, 4382C, 4382D, 4382E, 4382H or 4382I.
Mathematics	17 hours; MATH 2471, 2472, and 3 advanced courses other than 3315, 4302, 4304, 4311 and 4382. A student may receive credit for only two of 1317, 2417, and 2363.
Media Studies	18 semester hours, including two core courses MC 2319 and ENG 3316. Students select the remaining 12 hours from the following courses; no more than three courses (including core courses) in a single department may count toward this minor: ANTH 3309; ARTH 4304; COMM 4307; ENG 3302, 3307, 3309, 3326, 3327, 3329, 3340P; FCS 3391; GEO 2411, 3416, 4412, 4422, 4426, 4427; HON 3391H, 3391L, 3391R, 3391S, 3392P; MC 3355, 3375, 4301, 4336B; SPAN 4350; POSI 4301; TH 3341, 3342. Students should check with individual departments for all course prerequisites. A course may not be used to fulfill both a major and minor requirement. Relevant special topics courses may be substituted with permission from the Director of Media Studies.
Medieval and Renaissance Studies	24 semester hours, including six hours of core courses, one in English, ENG 2310 or 2330, and one in History, HIST 2310 or 2311. Students select the remaining 18 hours from the following courses; no more than three courses (including core courses) in a single department may count toward this minor: ARTH 2301, 2302, 4306, 4322; DAN 4368, 4369; ENG 3319, 3350, 3351, 3352, 3353, 3354, 3356, 3392, 4351, 4355, 4358; FR 3301; GER 3301; MU 3315; MATH 4311; PHIL 2311; POSI 3332, 3333, 4313; SPAN 3301; TECH 3322; TH 3320. Students should check with individual departments for all course prerequisites. A course may not be used to fulfill both a major and a minor requirement. Relevant special topics courses may be substituted with permission from the Director of Medieval and Renaissance Studies.
Military Science.....	27-35 hours; MS 1211, 1212, 2211, 2212, (or placement credit) 3311, 3312, 4311, 4312, Military History, and one course in Computer Literacy, and Math Reasoning, and two courses in Written Communication.
Modern Languages	12-26 hours; Completion of at least four advanced courses in the same language selected from French, German, Japanese, Spanish.
Music	22 hours; 4 hours applied music and/or ensembles; MU 1210, 1211, 1212, 1213, 2203, 2204 and 3318; and 3 hours advanced classes, ensembles or applied.
Nature and Heritage Tourism	24 hours; 6 hours of core courses, NHT 4301, 4302, and choose 18 hours from at least two departments outside the student's major department: ACC 2361, 2362; AG 3318, 3321, 3351, 3355, 3426, 3427, 4383; ANTH 2415, 3314, 3315, 3331A/C, 3332, 3345, 3347, 3375, 4630; BIO 3407, 3422, 4305, 4410, 4415, 4416, 4420, 4421, 4422, 4423, 4434; ENG 3309, 3340G, 3345, 3346, 4325; GEO 2410, 3313, 3329, 3360, 4321, 4390, 4411, 4430; GEOL 1410, 1420, 3410; HIST 3353, 3369, 3370, 3372, 4372; MGT 3303, 3340, 4336; MKT 3343; PFW 1150H, 1190A, 1200, 1201, 1204, 1225; REC 1310, 1330, 3340, 3351, 4318, 4337; POSI 3328, 4322, 4361; SOCI 3340, 3366,

	3375. NHT minors must conform to all prerequisites and meet all requirements established by the respective departments.
Philosophy	18 hours; PHIL 1305, 15 additional hours, at least 12 hours must be advanced.
Photography	19 hours; TECH 1450, plus 5 courses selected from the following: TECH 2350, 2366, 3350, 3355, 4350, 4355, and 4366.
Physics	25 hours; PHYS 1430, 2425, 2435, 3312, 3414, and at least 6 hours of advanced Physics.
Plant and Soil Science	20 hours; AG 2313, 2421, 3426, plus 3 courses from 3301, 3321, 3427, 3455, 4315, 4322.
Political Communication	24 hours; COMM 4345, nine hours from COMM 2325, 2338, 3333, 4307, 4321, 4322, 4323, 4331, 4338; three hours from POSI 3331, 3332, 3333, 3334; three hours from POSI 3305, 3306, 3307, 3310, 3311, 3312, 3314, 4301, 4302, 4322, 4331, 4345; three hours from POSI 3308, 3309, 4311; and three hours from POSI 4313, 4314, 4338, 4340, 4341, 4350, 4351, 4372, 4373, 4315, 4326, 4327, 4349, 4352, 4357, 4358, 4359.
Political Science	24 hours; POSI 1308 or 1309, 2310 and 2320, and at least 1 advanced political science course from 4 of the following groups: Group I, Political Theory and Methodology; Group II, American Government; Group III, Public Law and Public Administration; Group IV, Comparative Government; and Group V, International Relations, and 1 advanced Political Science elective.
Psychology	18 hours; PSY 1300 and 15 additional hours, at least 12 of which must be advanced.
Public Administration	24 hours; POSI 2310, 2320, 3316, 3377; 12 additional hours from POSI 3310 or 3311; 3314 or 3319, 3318, 3320, 3328, 4322, 4357, 4361, 4362, and 4380.
Religious Studies	18 hours; including any of the following: ANTH 3305, 3332; ARTH 3302; ENG 3329; HIST 4318; PHIL 3317, 3318, 3319, 4388; POSI 3306, 4313; REL 2310, 2315, 2321, 3360, 3366, and 4388.
Social Gerontology	18 hours; nine hours from SOCI 1310 or 3300, 3383, and SOWK 4320 or PSY 3313, and 9 hours from SOCI 3308, 3327, 3337, 3383, 3384 and PSY 2315, 3361 and GEO 3350.
Social Work	18 hours; SOWK 1350, 2375, 4355, and 9 hours of social work electives to be selected from 2320, 3312, 3339, 4310, 4311, 4315, 4318 and 4320.
Sociology	18 hours; SOCI 1310, and 15 hours, at least 12 of which must be advanced.
Southwestern Studies	18 hours; ENG 3345 and 3346, the interdisciplinary core courses. Students select the remaining 12 semester hours from the following courses: AG 2421, 3321, 4322; ANTH 3314, 3315, 3324, 3331A, 3350; ARTH 3302, 3304, 4303; BIO 3460, 4410, 4421, 4422; CI 3332; ENG 3309, 3344, 4325; ETHS 3301; GEO 3308, 3329, 3334, 4301, 4302, 4313; HIST 3320, 3325, 3353, 3369I, 3369Z, 3372, 4372; HON 3391Z; POSI 4331, 4338, 4358; SOWK 4310; SOCI 3327, 3366; SPAN 3320, 3371, 4306, 4370. Students should check with individual departments for all course prerequisites. A course may not be used to fulfill both a major and a minor requirement. Relevant special topics courses may be

	substituted with permission from the Director of the Center for the Study of the Southwest.
Special Education	21 hours; SPED 2381, 3338, 3381, 4344, 4345, 4374 and 4381.
Studies in Popular Culture.....	18 hours; SOCI 3315 and 15 additional hours from ANTH 3309; ARTH 3303, 4301; COMM 4307, 4321, 4322; ENG 3309, 3326, 3329, 3331; HIST 3343, 3369I, 4361; MC 3355, 4382C, 4382I; POSI 4301; SOCI 3324, 3333, 3340, 3366.
Technology	18 hours; a minimum of 9 advanced hours. Courses chosen in consultation with a departmental advisor or Chair of the Department of Technology.
Theatre	24 hours; 1358, 1364, 2338, and 15 additional hours, nine of which must be advanced, chosen in consultation with Chair of the Department of Theatre.
U.S. Ethnic Studies.....	18 hours; ETHS 3301 plus 9 hours from ANTH 3314, 3315, 3324, 3331A, 3331C, 3332, 3345, 3375C; ENG 3331, 3344; HIST 3320, 3327, 3329, 3359, 3368C, 3369Z, 4372; MU 3375; POSI 4331, 4331B, 4331C, SPAN 3305, 3306, 3371, 4370, and 6 hours from ANTH 1312, 3370; ARTH 4301; ASD 3310; COMM 3318F, 4322; ENG 3345, 3346, FCS 4351; GEO 3306, 3308, 3329, 3353; HIST 3353, 3369I, 3372, 3375A, 3380, 4337; HON 3392E; MC 4382C; POSI 3319, 3395; PSY 3334; SOWK 4310, SOCI 3327, 3366, 3375, and SPAN 4330.
Value Studies.....	18 hours; PHIL 1305 and 4388, and 4 of the following: PHIL 3320, 3321, 3322, 3323, 3324, 3332, 3333, 4350, or 4351.
Women's Studies	18 hours; WS 3376 and 3377 plus 12 hours from ANTH 3324, 3350; CJ 4326; COMM 3328, 3334; ENG 3388, 3392; HIST 3369Y, 3373; HON 3392A, 3392G, 3392P, MC 4382C; PHIL 3333; POSI 4330; PSY 3332; SOCI 3350 and 3370.
Writing.....	24 hours. Students may choose an emphasis in professional writing or in creative writing, or they may take courses in both types of writing. Students majoring in English may not minor in writing. Requirements are as follows: ENG 1310, 1320; 2310 or 2320 or 2330 or 2340 or 2359 or 2360; 3311; one advanced literature elective; select 9 hours from 3303, 3304, 3315, 3342, 3348, 3349, 4348, 4349. Students should check English course descriptions below for prerequisites to ENG 3348, 3349, 4348 and 4349.

Pre-Professional Curricula

Students preparing to study architecture, pharmacy, physical therapy, medicine, dentistry, veterinary medicine, engineering, or law, should enroll in the degree plan as suggested by the advisors listed below. Before each registration, the student should consult his or her advisor.

Architecture. Architectural degree programs are offered as four, five and/or six year options. Schools offering Architectural programs in Texas include The University of Texas at Austin, The University of Texas at San Antonio, The University of Texas at Arlington, Texas Tech University, The University of Houston, Rice University, and Texas A&M University. Majors include areas associated with architectural design, architectural engineering, regional and city planning, and landscape architecture.

Those courses accepted by most architecture schools are: ENG 1310, 1320, MATH 1315, 1317, HIST 1310, 1320, POSI 2310, 2320, PHYS 1410, 1420 and physical education activities, two semester hours. Other courses could be selected based on the selected school, architectural major, and student's background. Selected options in architecture use a broad based general academic or liberal arts program as a foundation to build the degree plan, while others will use only a minimum of these courses.

Because of the many choices of curricula in the field of architecture, all pre-architecture students, from the time they first enroll, should regularly consult with their advisor in selecting courses. Failure to do so may result in loss of transfer credit. Even courses accepted for transfer credit by another university may not apply toward a degree in architecture. Only those courses acceptable by the dean of the student's elected architecture school may be counted toward the corresponding degree. For more information contact the Department of Technology.

Health Professions Programs. Students interested in health professions programs should visit or contact the College of Health Professions Academic Advising Center. Information about the following fields is available: clinical laboratory science, communication disorders, health care administration, health information management, long term care administration, radiation therapy, respiratory care and social work. Although the College does not offer degrees in nursing or occupational therapy, it does provide pre-professional advising for these fields.

Combination Degree in Medicine or Dentistry. After completing at least 96 hours of prescribed work at SWT, a student who is later certified by an approved medical or dental school as having satisfactorily completed one year's work at that institution may be granted a bachelor's degree by Southwest Texas State University. The student must meet all catalog requirements for the degree and must earn the last 30 of the 96 undergraduate hours at SWT. For more information contact the Department of Biology advisor, or the College of Science Advising Center.

Dentistry. Dental schools require two years of college work for entrance; however, most students accepted by dental schools have more than this. A bachelor's degree is preferred. Included in the required courses are the following: CHEM 1141 and 1341; 1142 and 1342; 2141 and 2341; 2142 and 2342; BIO 1430, 1431, 2450, 2400 or 2411; PHYS 1410, 1420; ENG 1310, 1320. It is recommended that the students complete, in addition to the above courses, the general education core curriculum requirements and the requirement for the Combination Degree leading to a B.S. in Biology with a minor in Chemistry or Biochemistry. Additional courses for the minor include BIO 3421 and 4416. The Combination Degree is more rigorous than the minimal courses required by most dental schools. An early admission program agreement between SWT and UTHSCSA Dental School is also available. For more information contact the Department of Biology.

Engineering. The Department of Technology offers a Manufacturing Engineering degree program. Also, there are two pre-engineering options. Students taking the first option (called a 3-2 option) spend approximately six semesters in a mathematics or physics curriculum or, for chemical engineering, a chemistry curriculum. After the completion of at least 96 hours of prescribed work, the last 30 of which must be earned in residence, a student in the 3-2 pre-engineering program who later earns an engineering degree from an approved engineering school may be granted a bachelor's degree by SWT. The student must (1) satisfy all general education core curriculum requirements, and (2) complete a degree outline in their major departmental office before leaving SWT. After completing the entire program, students receive both an engineering degree from the school they attended and a BS in chemistry, mathematics, or physics from SWT. With the second option, students spend three to six semesters taking courses basic to the field of engineering they intend to enter and then transfer to the engineering school to pursue a degree.

Because of the many choices of curricula in the field of engineering, all pre-engineering students, from the time they first enroll, should regularly consult with their advisor in selecting courses. Failure to do so may result in loss of transfer credit. Even courses accepted for transfer credit by another university may not apply toward a degree in engineering. Only those courses acceptable by the dean of the student's elected engineering school may be counted toward the corresponding degree.

Concerning transfer of courses, SWT has entered into transfer articulation agreements with The University of Texas at Austin, Texas A&M, Texas Tech University, and the University of Texas at San Antonio. These agreements specify suggested equivalences of courses. For additional information, contact your academic advisor.

If their mathematics background is inadequate to enroll in MATH 2471, first semester freshmen are advised to earn credit in MATH 1315, 1317, and 2363 (or 2417) in the summer session immediately preceding the regular session in which they plan to enroll. (See the catalog description for the proper prerequisites.) If this suggestion is not followed, the student's program is usually delayed by at least one semester. Students making a "D" in a technical course that serves as a prerequisite to another course are strongly urged to repeat the course. For more information contact the College of Science Advising Center or the Chair of the Department of Technology. For information on engineering technology and manufacturing engineering see the Department of Technology section of this catalog.

Law. All accredited law schools in the state-Baylor University, Southern Methodist University, South Texas School of Law, St. Mary's University, Texas Southern University, Texas Tech University, The University of Houston, and The University of Texas at Austin-require the following from applicants prior to admission: (1) a bachelor's degree, (2) superior grades, and (3) a satisfactory score on the Law School Admission Test (LSAT).

It is strongly recommended that as many of the following courses be taken during the junior and senior years as the major curriculum permits: ECO 2314, 2315; FIN 3301, BLAW 2361, 3362; GEO 3320, 4338; HIST 3315, 3316, 3344, 3349; PHIL 2330, 3320-3321, 3331-3332, 3340; POSI 3310, 3311 (or 3312), 3314, 3329, 4311, 4340 (or 4313 or 4356), 4352, 4361; COMM 4331; and SOCI 3307 (or POSI 3377), 3308, 3343.

Pre-law students are urged to consult the pre-law advisor and a pre-law representative, as appropriate, from the various colleges: Dr. Ron Becker, Department of Criminal Justice; Dr. John McGee, Department of Finance and Economics; Dr. Vincent Luizzi, Department of Philosophy; and Dr. Paul Kens and Dr. Ken Ward, Department of Political Science. The pre-law student should also become familiar with the services available through the Student Learning Assistance Center. For more information contact Dr. Paul Kens, Department of Political Science (512) 245-2143.

Medicine. Medical schools recommend an appropriate bachelor's degree for entrance. A suggested program that will satisfy pre-medical requirements is as follows: CHEM 1141 and 1341; 1142 and 1342; 2141 and 2341; 2142 and 2342; BIO 1430, 1431, 2400 or 2411, 2450; PHYS 1410, 1420; MATH 2321 and 2331, (or 2417 and 2471); ENG 1310, 1320. Students who anticipate applying for the Combination Degree leading to a B.S. with a major in Biology and a minor in Chemistry should include the general education core curriculum requirements and BIO 3421 and 4416. For more information contact the Department of Biology.

Pharmacy. Pharmacy is a six-year program, two years of which may be taken at SWT. The following courses are required for the four pharmacy schools in Texas, The University of Texas at Austin, the University of Houston, Texas Southern University and Texas Tech University: BIO 1430, 1431; CHEM 1141 and 1341; 1142 and 1342; 2141 and 2341; 2142 and 2342; HIST 1310, 1320; PHYS 1410; POSI 2310, 2320. Requirements for mathematics, English and other courses vary according to the pharmacy school. Consequently, it is imperative that pre-pharmacy students consult with the advisor prior to and during their pre-pharmacy program. For more information contact the Department of Chemistry.

Physical Therapy. The Department of Health, Physical Education, Recreation and Dance (HPRD) offers an undergraduate degree program that will prepare students to enter the application process for a physical therapy graduate program. The main focus of this program is to combine the background courses required for entrance to physical therapy programs with quality support courses from the Athletic Training and the Health and Fitness Management majors. This program provides a strong academic degree and a pre-physical therapy program that will enable students to be competitive as they apply to master level physical therapy graduate programs. Students will be required to take existing courses used as pre-requisites for the SWT Physical Therapy Graduate Program and other courses from SWT programs in Athletic Training or Health and Fitness Management. Pre-Requisite Courses for SWT PT Program are: PSY 1300; PSY 2315 or 3315; HP 3302; HIM 2360; BIO 2430 & 3421; CHEM 1341 & 1141; CHEM 1342 & 1142; PHYS 1410 & 1420. Courses from the Athletic Training Major are: PE 2156, 2356, 3317, 3320, 3326, 3336, 3346, 3356; H ED 2338 or 3348, 2354, 4660 (two locations); FCS 3362, 4302I; and PT 3400. Courses from the Health and Fitness Management Major are: PE 4323, 4321, 4217; and H ED 4660. Curriculum Requirements: 1) Students will declare Athletic Training as their undergraduate major and Pre-Physical Therapy as the emphasis, 2) Students will register with the College of Education Advising Center and seek degree advice from there. 3) Students will follow the degree plan formulated by the HPRD Department with exceptions approved by the College of Education Advising Center upon advice from the HPRD Department.

Veterinary Medicine. The only College of Veterinary Medicine in Texas is at Texas A&M University. Prior to admission, students must complete at least 64 hours of course work, which constitutes a pre-veterinary program. At SWT, all students must choose a major in one of the 4-year bachelor's programs. While any major is acceptable, majors in Agriculture/Animal Science, Biology or Chemistry most nearly parallel the courses required in the pre-veterinary program, which are as follows: AG 3301 or BIO 2450; AG 3325 or 4325; BIO 1430, 1431, 2400; CHEM 1141 & 1341, 1142 & 1342, 2141 & 2341, 2450 or 4375; ENG 1310, 3 hours literature, 3303; COMM 1310 or 2338; MATH 1329, 2321 or 2331, 2471 or 2472, or 3305; and PHYS 1410, 1420.

Formal application on a special form supplied on or about July 15 each year by the Office of the Dean at the Veterinary School must be filed with that office before October 1. A complete and official transcript from each college or university the applicant has attended must accompany the application forms. A record of courses in progress (and a record of courses planned for the following spring term and summer terms if the applicant will be enrolled) must also be submitted. The application must be accompanied by a non-refundable fee of \$35.00 (check or money order payable to Texas A&M University) which is used to partially defray the cost of processing the application.

The applicant must have an overall GPA of 2.75 or better or a 3.00 GPA or better for the last 45 semester credits completed ("A"=4.00 grade points).

Each applicant must submit scores for the Graduate Record Examination (GRE). It is recommended that the applicant take the spring testing. However, the September testing date will be acceptable. The GRE will be given at various centers throughout the United States, including SWT. To determine the most convenient location, prospective applicants should write to the GRE, General Test Coordinator, Educational Testing Service, P.O. Box 6000, Princeton, N.J., 08541-6000. Students may also call (609) 951-6505 or contact the SWT Placement Center.

Advising for students who wish to qualify for the professional curriculum in veterinary medicine is available at SWT by contacting the SWT Pre-Veterinary Advisor or by appointment with the Office of the Dean, College of Veterinary Medicine, Texas A&M University, College Station, Texas 77843 (telephone (409) 845-5054). For more information contact Dr. Michael Abel, D.V.M., Department of Agriculture.

CONTINUING EDUCATION

Phone: (512) 245-2507 Office: Aquarena Center
Fax: (512) 245-7543 Web: <http://www.continuing-ed.swt.edu/>

The Office of Continuing Education works in cooperation with the academic colleges, schools, departments and programs to extend the resources of SWT beyond the traditional campus classroom. Professional staff in Continuing Education work with other faculty and staff and assists them in offering programs that help meet the needs of the many communities SWT serves. These programs are generally non-credit in nature. Seminars, workshops, conferences, and short courses coordinated and conducted by Continuing Education help meet community needs. Continuing Education coordinates planning, budgeting, marketing, fee collection, registration, meals, housing, evaluation, and other duties that may be required. Continuing Education sponsors many programs.

Some programs receive Continuing Education credits. Persons who successfully complete these designated programs are awarded Continuing Education Units. One CEU is awarded to a person who completes a ten contact hour program.

Texas Certified Public Manager Program

Phone: (512) 245-3453 Office: Aquarena Center
Fax: (512) 331-7293 Web: <http://www.swt.edu/cpm/>

SWT has been officially designated by the National Consortium of Certified Public Managers (CPM) to offer this program in Texas. The CPM Program offers a systematic training program to enhance quality, efficiency of management in government and improve professionalism and effectiveness of government managers. Continuing Education is coordinating this program on the SWT campus. Individuals may enroll at any time during the year; programs are held approximately every two months. Admission to SWT is not required.

International Office

Phone: (512) 245-7966 Office: Hill House
Fax: (512) 245-8264 Web: <http://www.swt.edu/international/>

The International Office provides a variety of services to international students/faculty/staff at SWT and to U.S. students who wish to study or work abroad during their collegiate years. The office supports other international initiatives at SWT with information and resources.

The primary responsibility of the office is to act as the official international student advisor for all visa and other immigration issues. The office is a continuing source of information, advising/counseling, and social services relevant to international students.

Study abroad and work abroad opportunities abound for SWT students. In conjunction with other campus offices, the International Office maintains a resource library about those programs and provides additional information about traveling/working abroad.

English as a Second Language

Phone: (512) 245-7810 Office: Academic Support Building 400
Fax: (512) 245-3752 Web: http://www.ideal.swt.edu/esl/eng_sec_lang.html/

SWT/ESL is a non-credit university intensive English as a Second Language program for international students who want to improve their command of English before entering an educational institution in the United States. Currently, intermediate and advanced classes in ESL reading, writing, grammar, and oral skills are offered during the fall, spring, and summer sessions.



EXTENDED AND DISTANCE EDUCATION

Phone: (512) 245-2725 Office: JCK 150
Fax: (512) 245-2024 Web: <http://www.swt.edu/distanceed/>

The Office of Extended and Distance Education is the university's primary focal point for courses and programs offered at a distance to the San Marcos campus and for those offered on evenings and weekends on campus. A variety of support services are available to students who, for whatever reason, are not able to commute and participate in campus-based educational programs.

All undergraduate and graduate courses and programs offered to distance learners carry the same course number, title, and description as those offered at the San Marcos campus. Courses offered at a distance are identified each semester in the SWT Schedule of Classes and on CatsWeb. Programs offered at a distance may be found on SWT's Virtual Campus website: www.swt.edu/distanceed/.

A variety of educational and cultural experiences are available to SWT students who enroll each semester in Extended and Distance Education courses and programs. College credit, for example, may be earned through instruction that is offered Online as well as through Correspondence Studies, Study Abroad Programs, International Student Exchange Programs, Extension Studies, English as a Second Language Program, and the North Austin MITC. Students may receive some or all of their coursework from a variety of distance delivery systems including the World Wide Web, Interactive TV, Videotape, and face-to-face instruction at various off-campus locations in Texas and abroad.

Correspondence Studies

Phone: (512) 245-2322 Office: Academic Support Building, North 302
Fax: (512) 245-8934 Web: <http://www.swt.edu/correspondence>

Correspondence study is another method to earn college credit. Where circumstances such as family, jobs, business travel, etc., compete for time, and students find that it is difficult to schedule their on-campus classes, correspondence study offers a solution. Courses are offered through various disciplines such as art, humanities, science, health-related fields, mathematics, psychology, foreign language, and sociology to name a few. Courses are frequently revised, so students are encouraged to contact the Office of Correspondence Studies for the most current list of course offerings or visit their website.

Students may enroll in courses at any time of the year and take up to nine months to complete them. A three-month extension is available for a nominal fee. Instruction is provided by means of a study guide, textbooks, and where appropriate may include CD-ROMs, video, and audiocassettes, and additional reference and instructional material. Many courses accommodate e-mail submissions via the Internet and some courses are now available on the World Wide Web. Students who wish to submit lessons via e-mail, must contact the Office of Correspondence Studies. If the assignment form accommodates e-mail transmission, an instruction packet with information on how to proceed will be sent to the student.

How Correspondence Study Works. The study guide that accompanies each course gives students step-by-step instructions for completing the lessons required for the course by providing study tips, topic discussions, assignments, and other pertinent course information. Students must complete each lesson and submit the accompanying assignment to the instructor through the Office of Correspondence Studies for correcting and grading. The instructor makes comments when necessary and answers questions that students may have before the lesson is returned. Lessons are mailed back to the student or held in our office for pickup if the student so indicates to the staff. Almost all courses have examinations and many may have two or three progress examinations. All examinations must be proctored. Even if the student resides away from campus, an approved proctor may administer course examinations in or near the student's home community.

General Regulations. The following regulations govern correspondence study at SWT:

1. Students do not have to be currently enrolled or admitted to a college or university to take a correspondence course.
2. Enrollment in a correspondence course does not constitute official admission to SWT.
3. Texas residents or persons attending public colleges or universities in Texas are subject to compliance with TASP regulations.
4. SWT juniors and seniors must obtain approval from their college dean or the college academic advising center before they may register for a correspondence course. Students from other colleges and universities are advised to obtain approval from the proper university official of their home institution before registering.
5. SWT correspondence courses are applicable toward SWT degrees. A maximum of 18 hours of correspondence credit may be applied toward a bachelor's degree.
6. All lessons and exams must be completed to receive credit. The grading criteria for each course are stated in the course study guide.
7. Correspondence course grades are calculated into your SWT GPA.
8. Students may enroll in a correspondence course at any time during the year and take up to 9 months to complete it. A one-time extension of 3 months is allowed for a nominal fee. No enrollment may go beyond 12 months from the original enrollment date and no course may be completed in fewer than 45 days.
9. A minimum of 4 to 7 weeks must be allowed after a course has been completed for a grade to be reported to the SWT Registrar.
10. Students on active suspension from SWT are not eligible to enroll in correspondence courses.
11. If enrollment in correspondence courses creates an academic overload, the student must have prior, written approval of their dean or chairperson.

Extension Studies

Phone: (512) 245-2322 Office: Academic Services Building North 302
 Fax: (512) 245-8934 Web: <http://www.swt.edu/extension>

SWT's extension program serves those persons who are unable to come to campus and who wish to earn degree credit or to pursue in-service training. Extension courses are offered at various off-campus locations. The times and locations for such courses depend on student need, faculty availability, and demand. In the past, courses have been offered in San Antonio at USAA, in Seguin at Motorola, at a number of school districts in Travis and Williamson counties, as well as in several foreign countries.

General Regulations. The following regulations govern SWT extension study:

1. Enrollment in an extension course does not constitute official admission to the university, and non-SWT students may take extension courses.
2. Students from other institutions who wish to transfer extension credit should obtain prior approval of their home institution.

3. If enrollment in extension courses will create an academic overload, students must have prior, written approval of their college dean and chairperson.
4. Transcript records are maintained for all credit earned by extension.
5. A maximum of 30 semester hours for SWT credit may be completed through a combination of correspondence and extension courses.
6. Students on active suspension from SWT are not eligible to enroll in courses for extension credit.
7. Texas residents or persons attending public colleges or universities in Texas are subject to compliance with TASP regulations.
8. Full-time students at SWT may not enroll in extension courses without written permission from the dean of the appropriate college.
9. Students are responsible for ascertaining whether or not credit for an extension course will apply to a particular program and whether or not it will transfer to another institution.

Study Abroad

Phone: (512) 245-2322 Office: Academic Services Building, North 302
 Fax: (512) 245-8934 Web: <http://www.swt.edu/studyabroad>

The Study Abroad experience serves to expand students' intellectual and personal development as they become immersed in other cultures and academic systems. This dynamic experience helps many students to gain a critical self-awareness and an appreciation for a multicultural world while obtaining a clearer understanding for their own culture. This awareness prepares students to assume their role as responsible world citizens and to succeed in today's competitive job market.

The Study Abroad Office offers students the opportunity to gain the international experience that graduates need to compete in today's job market and global economy by making available a variety of Study Abroad Programs at locations around the world. The credit a student earns may be applied toward a degree at SWT. Some of these programs involve direct enrollment in an overseas institution, while other programs are led by SWT faculty.

Through the SWT Study Abroad Programs, students can spend from three weeks to a full academic year in another country by either learning a foreign language, by concentrating their studies related to a specific topic in the student's field of study, or by participating in an internship. The SWT Study Abroad Programs include a variety of activities that allow the students to learn and experience the culture of the host country. In some of these programs students have the opportunity to live with a host family and in this way become totally immersed in the host country for a more complete learning experience.

Program locations vary each year, but typically include such countries as Belize, China, England, France, Germany, Ireland, Japan, Mexico, Spain, and Sweden. Students may learn more about these programs from current information located in the Study Abroad Library. In addition to information about SWT's Study Abroad Programs, the Study Abroad Library offers a wealth of information about programs available from other universities as well as study abroad companies.

Financial Assistance for Study Abroad Programs. Most of the financial aid that students would normally receive for studying at SWT may be applied toward SWT Study Abroad Programs. Additionally, there are many schools and study abroad companies that offer financial aid for attending their programs. If a student is on federal or state financial aid, it is recommended that the student speak with a representative of the SWT Office of Financial Aid to determine the application of such aid to any study abroad program and the possible adjustment to meet the student's needs.

The Study Abroad Office also has information on scholarships that are available to students who want to study abroad. At SWT, students are also eligible for the International Education Fee Scholarships (IEFS). These scholarships are funded through the student service fee account. The scholarships are distributed in a competition open to all undergraduate and graduate SWT students, including international students, who meet the established eligibility requirements.

Contact the Study Abroad Office for information on the IEF Scholarships and other available financial assistance.

International Student Exchange Programs

Phone: (512) 245-2322

Office: Academic Services Building, North 302

Fax: (512) 245-8934

Web: <http://www.swt.edu/studyabroad>

International Student Exchange Programs provide students an opportunity to study at a foreign university through exchange agreements that SWT currently has with institutions located in countries such as France, Japan, Mexico, and Sweden. Students who participate in the Exchange Programs may study abroad for one long semester or for a full academic year. A variety of academic disciplines are offered through these programs and students are not required to be fluent in the language of the host country. International Student Exchange Programs are intended to provide students with an opportunity to study abroad at costs approximate to SWT rates.



